U.S. ARMY MATERIEL COMMAND

An AMC Update

Presented by
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Army Materiel Command, G3

- **Who We Are**
  - What We Do
  - Where We Are Going

AMC Mission and Vision for the F

AMC Mission . . .

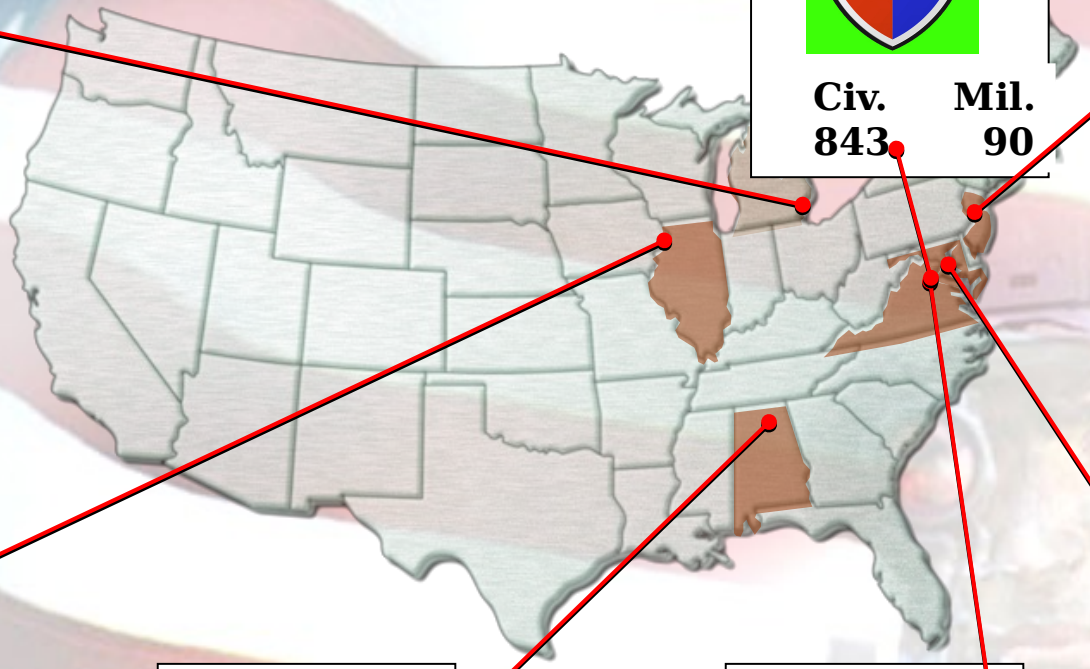
Provide superior technology, acquisition support and logistics to ensure dominant land force capability for Soldiers, the United States, and our Allies

AMC Vision for the Future . . .

Dedicated and innovative people:

- **Committed to continuously improving support to soldiers**
- **Leading the development of new technologies and sustainment processes to transform the Army**
- **Reshaping the workforce for the 21st century**

Major Subordinate Commands



TACOM

Tank-Automotive & Armaments Command

Civ. 10,297 Mil. 140

HQAMC

HQ Army Materiel Command

Civ. 843 Mil. 90

CECOM

Communications-Electronics Command

Civ. 8,290 Mil 165

JMC

Joint Munitions Command

Civ. Mil. 7,381 230

AMCOM

Aviation & Missile Command

Civ. 9,185 Mil. 258

USASAC

US Army Security Assistance Command

Civ. 574 Mil. 57

SBCCOM/ RDECOM

Soldier & Biological Chemical And Research, Development & Engineering Commands

Civ. 4,584 Mil. 201

AMCOM

U.S. Army Aviation and Missile Command

- Aviation & Missile Technology Generation & Application
- Manage Readiness & Sustainment of Aviation & Missile Systems
- Army – wide TMDE Support
- Repair / Recapitalization

CECOM

U. S. Army Communications – Electronics Command

- **Information Technology Generation & Application**
- **Research & Development for Command & Communications, Information Warfare, Night Vision & Electronic Systems**
- **Software Engineering, Integration & Support**
- **Manage ALL Army COMSEC Equipment**

SBCCOM

U.S. Army Soldier & Biological Chemical Command

- Chem / Bio Joint Research Development & Acquisition
- Crisis & Consequence Management / Homeland Defense
- Everything a Soldier Wears, Carries & Consumes
- Objective Force Warrior and Soldiers as a System
- Safety, Surety, Security for the Nation's Chemical Stockpile Disposal Program*

* RDECOM(PROV), CMA(PROV) and Guardian Bde (PROV), not yet departed elements of SBCCOM

TACOM

U.S. Army Tank – Automotive and Armaments Command

- Support to Systems Acquisition
- Tank – Automotive and Armaments R & D
- Sustainment / Readiness Management
- Supports 71% of the Equipment in a Heavy Division

USASAC

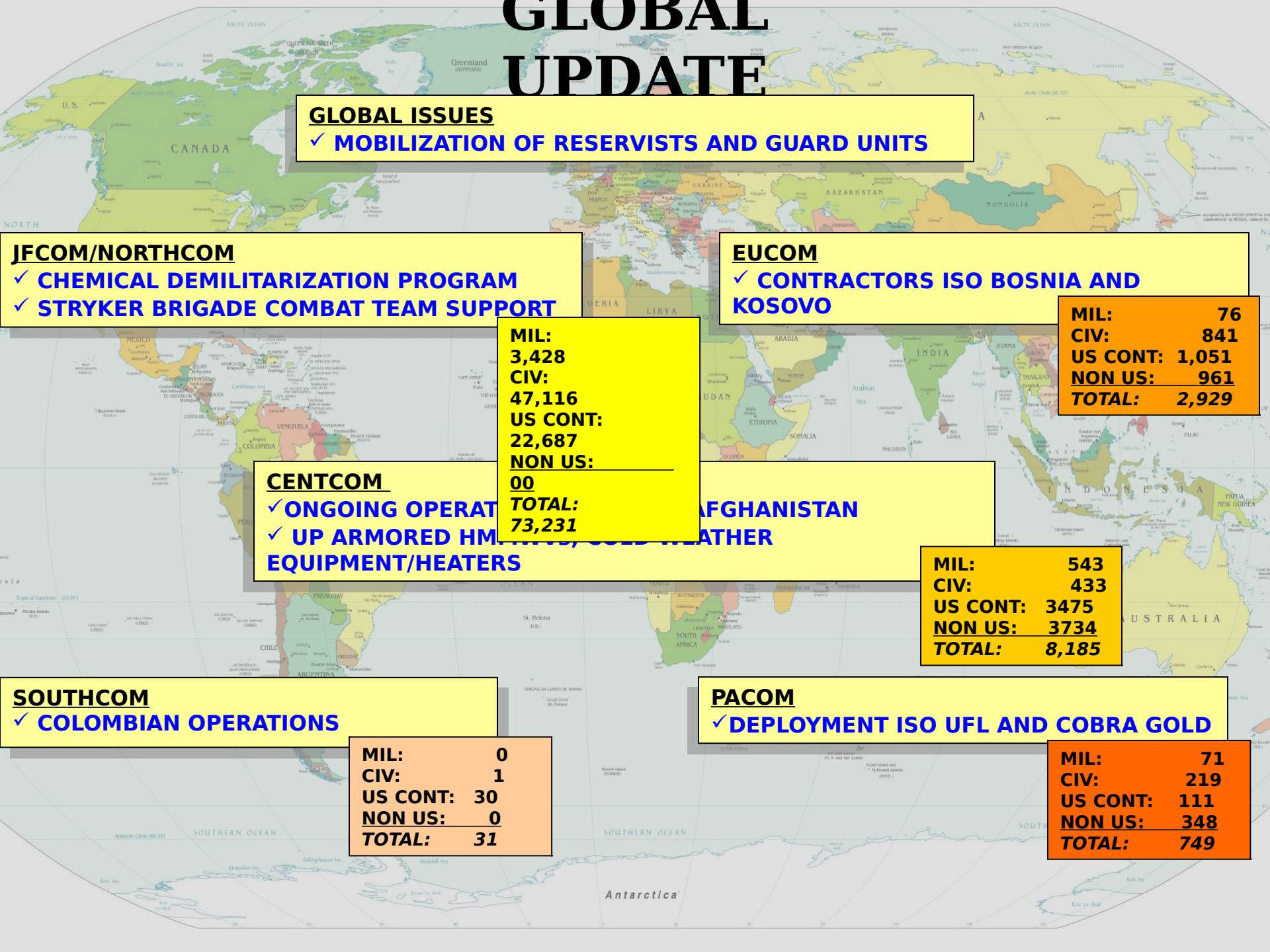
U. S. Army Security Assistance Command

- Total Program, $50.4B - 3.7B Sales in FY 02-3.0B to date FY03
- 98% of the Budget, Admin/Case (not OMA) funded
- Process 250,000 Requisitions Annually
- Actively Manages more than 3.1M requisitions
- Link to 140 different Armies, 47 Air Forces, 26 Navies and 26 other country entities.

- Total Program Management of Foreign Military Sales
- Total Program Management of Military Assistance Program
- Negotiate and Implement Co-production Agreements
- Supports Emergency Assistance, Humanitarian Relief and Operations Other than War

- Who We Are
- **What We Do**
- Where We Are Going

GLOBAL UPDATE



GLOBAL ISSUES
✓ MOBILIZATION OF RESERVISTS AND GUARD UNITS

JFCOM/NORTHCOM
✓ CHEMICAL DEMILITARIZATION PROGRAM
✓ STRYKER BRIGADE COMBAT TEAM SUPPORT

EUCOM
✓ CONTRACTORS ISO BOSNIA AND KOSOVO

MIL:	76
CIV:	841
US CONT:	1,051
NON US:	961
TOTAL:	*2,929*

MIL:	3,428
CIV:	47,116
US CONT:	22,687
NON US:	00
TOTAL:	*73,231*

CENTCOM
✓ ONGOING OPERAT… AFGHANISTAN
✓ UP ARMORED HM… ATHER EQUIPMENT/HEATERS

MIL:	543
CIV:	433
US CONT:	3475
NON US:	3734
TOTAL:	*8,185*

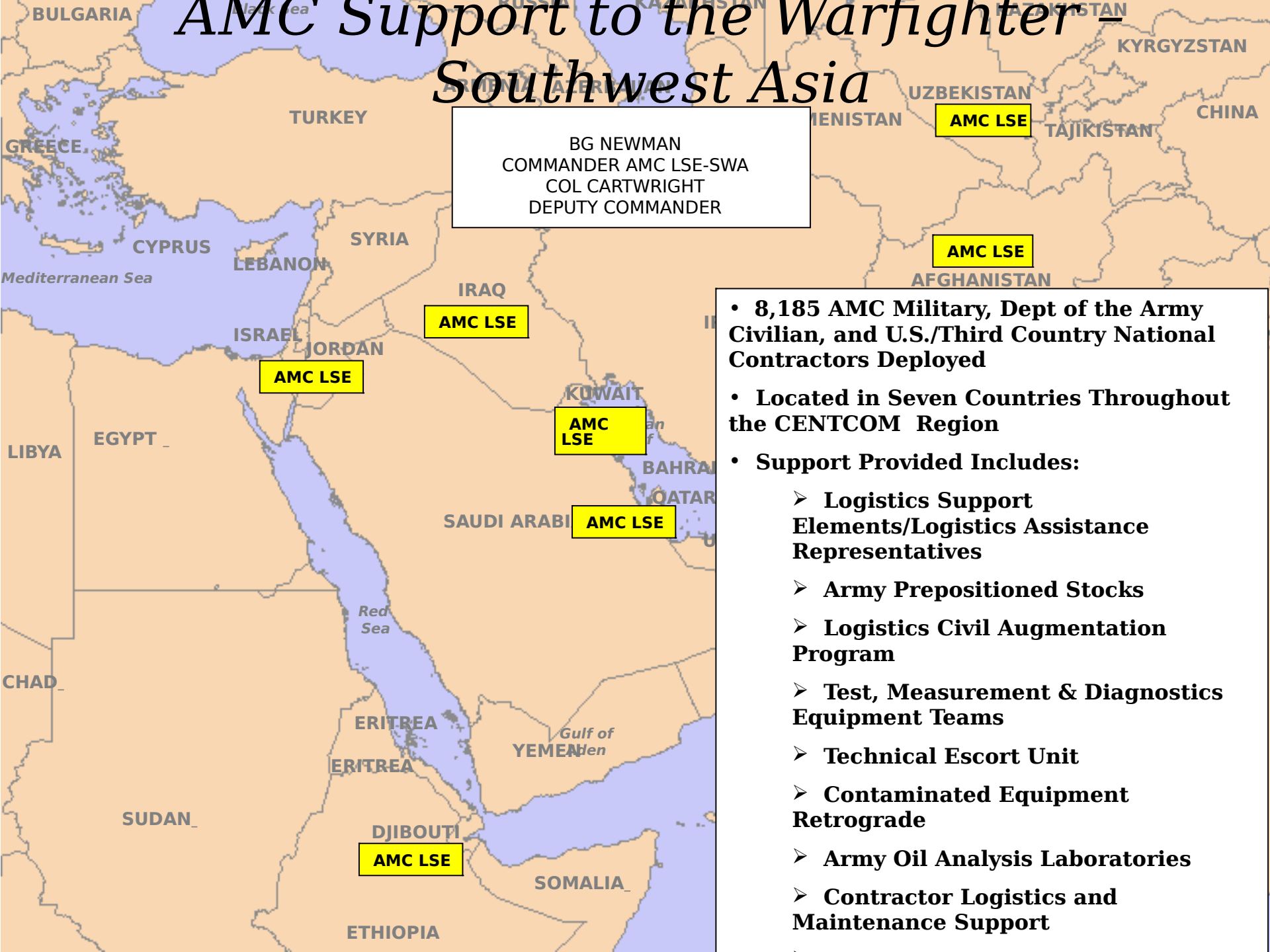
SOUTHCOM
✓ COLOMBIAN OPERATIONS

MIL:	0
CIV:	1
US CONT:	30
NON US:	0
TOTAL:	*31*

PACOM
✓ DEPLOYMENT ISO UFL AND COBRA GOLD

MIL:	71
CIV:	219
US CONT:	111
NON US:	348
TOTAL:	*749*

AMC Support to the Warfighter – Southwest Asia



BG NEWMAN
COMMANDER AMC LSE-SWA
COL CARTWRIGHT
DEPUTY COMMANDER

- **8,185 AMC Military, Dept of the Army Civilian, and U.S./Third Country National Contractors Deployed**
- **Located in Seven Countries Throughout the CENTCOM Region**
- **Support Provided Includes:**
  - **Logistics Support Elements/Logistics Assistance Representatives**
  - **Army Prepositioned Stocks**
  - **Logistics Civil Augmentation Program**
  - **Test, Measurement & Diagnostics Equipment Teams**
  - **Technical Escort Unit**
  - **Contaminated Equipment Retrograde**
  - **Army Oil Analysis Laboratories**
  - **Contractor Logistics and Maintenance Support**

US Army Prepositioned Stocks

ONE/OEF/OIF- First War Fought Using Prepositioned Equipment & Supplies

- *6,432,000 MREs on Prepositioned Ships Titus and Gibson*
- *2 Ammo Ships = 58K tons afloat*
  - *First 30 days Sustainment for a 5 Division Corps*
  - *More than 6,500 short tons Net Explosive Weight per Ship*
- *Prepositioned Ammo – Qatar/Kuwait (8K tons)*
- *Other Equipment in Qatar/Kuwait*
  - *324 M1 Tanks*
  - *374 Bradleys*
  - *9426 High Mobility Military Wheeled Vehicles*

Moving Tons of "Stuff" over the Ocean

- Between Dec '02 and Mar '03, TACOM Shipped More Than 67,000 Repair Parts Worth More Than $200 Million Including:
  - 10,895 Tires – 194+ Airplane Loads
  - 20,000 Water Purification Units
  - 2,424 Parts for M-1 Tanks, 1,145 Parts for Bradley Fighting Vehicles, and 2,975 Parts for Small Arms
  - 170,000 Aircraft Landing Mat Panels – Enough to Fill 500 Semi-Trailers
  - 3,200 Containers of Fuel and Water Distribution Parts – Enough to Fill 3 Ocean-Going Shi
  - 2,200 20-foot Containers Full of Pipes and Parts – the Equivalent of 1,100 Semi-Trailer Loads – Enough to Fill 7 Ships

19 Air Landing Sets for Helicopters; Enough to Cover 40 Football Fields.

Forward Repair Activities

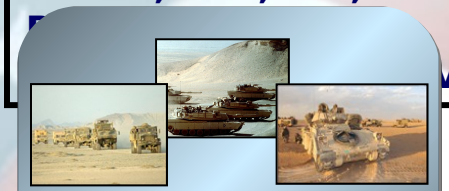
- *Aviation*
  - *Aviation Depot Maintenance Roundout Unit (approx. 300 personnel)*
  - *Mast Mounted Sight (2 contractors)*
- *Ground Vehicles*
  - *Team Armor Partnership (1 military and 6 contractors)*
  - *TACOM Forward Repair Activities in Kuwait & Iraq (35 civilian personnel from ANAD and RRAD)*
- *Communications/Electronics*
  - *Electronic Sustainment Support Center (3 civilians)*
    - *One ESSC located at Camp Arifjan, Kuwait.*
    - *Other Embedded with 4ID.*
  - *Tobyhanna FRA (11 civilians)*
  - *Intelligence Electronic Warfare (18 civilians)*
  - *Mobile Subscriber Equipment and Regional Support Center (11 contractors)*
  - *Communications Security Logistics Activity (3 civilians)*
  - *Software Engineering Center (9 civilians)*

Setting the Force
Support to Combat Commanders

ARMY PLAN

The Army will undertake a disciplined, orderly reconstitution to restore combat power.

The Army will implement lessons from Desert Storm, OEF, OIF, and operations in the



1555 Tracked vehicles
9426 HMMWV
7074 Wheeled vehicles
3579 Trailers

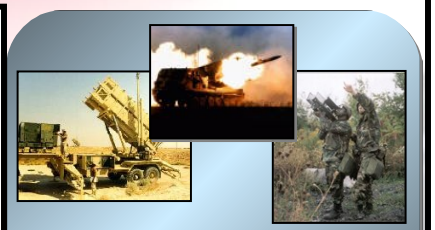
ARMY / INDUSTRY PARTNERSHIP

- **Coordinated AMC & PEO / PM logistics plan**
- **Gearing up to workload organic & commercial sources**

248 AH-64
204 CH-47
431 UH-60

WAY AHEAD

- **Set the Force to support National Defense priorities**
- **Provide cost effective technology upgrades**
- **Rapidly restore Army fleet to**



9 Patriot Battalions
82 MLRS
125,000 ST of ammo

CHALLENGES

- **Timely evacuation of equipment back to CONUS repair facilities**
- **Managing reconstitution within established business rules**
- **Continuing to support current operation without diminished support to rest of Army fleet**

LOGISTICS CIVIL ASSISTANCE PROGRAM (LOGCAP)

- *One-Year Task Order Implemented 6 Mar 2003 for $69.5M*
- *Provides Logistics Support and Life Support Services for Regional Teams Deployed in Austere Environment*
- *Key Items – Facilities Management, Billeting, Office Space, Laundry Services, Office and Communication Equipment, Transportation, Power Generation, Sanitation, Equipment Maintenance, and Supply Operations*
- *First Time that the LOGCAP Support Unit has Deployed- Largest LOGCAP Mission in History*
- *Largest Deployment of Contractors Under AMC*

ONE/OEF/OIF Lessons Learned

- **Army Prepositioned Stock** – Modernization, exercising, and r
  of the APS needs to continue.

- **Battle Damaged Combat Systems** – No catastrophic losses d
action.

- **Logistics Automation** – Need to consider communications requi
ongoing
  STAMIS training in design of future logistics enterprise.

- **Rapid Response to LOGCAP Requirements** – Flash to bang time
(requirement generation to
  LOGCAP boots on the ground) could be improved through performance
based statements of work.

- **Early LOGCAP Planning & OPS Integration** – Integration of LOGCAP
planners during OPLAN
  development vital.

- **Funding** – AWCF peacetime solvency ensures Warfighter repair parts availability
during contingencies.

- **Cargo Packaging** – Significant gains realized in cargo packaging during
OIF. Continue to invest in

- Who We Are
- What We Do

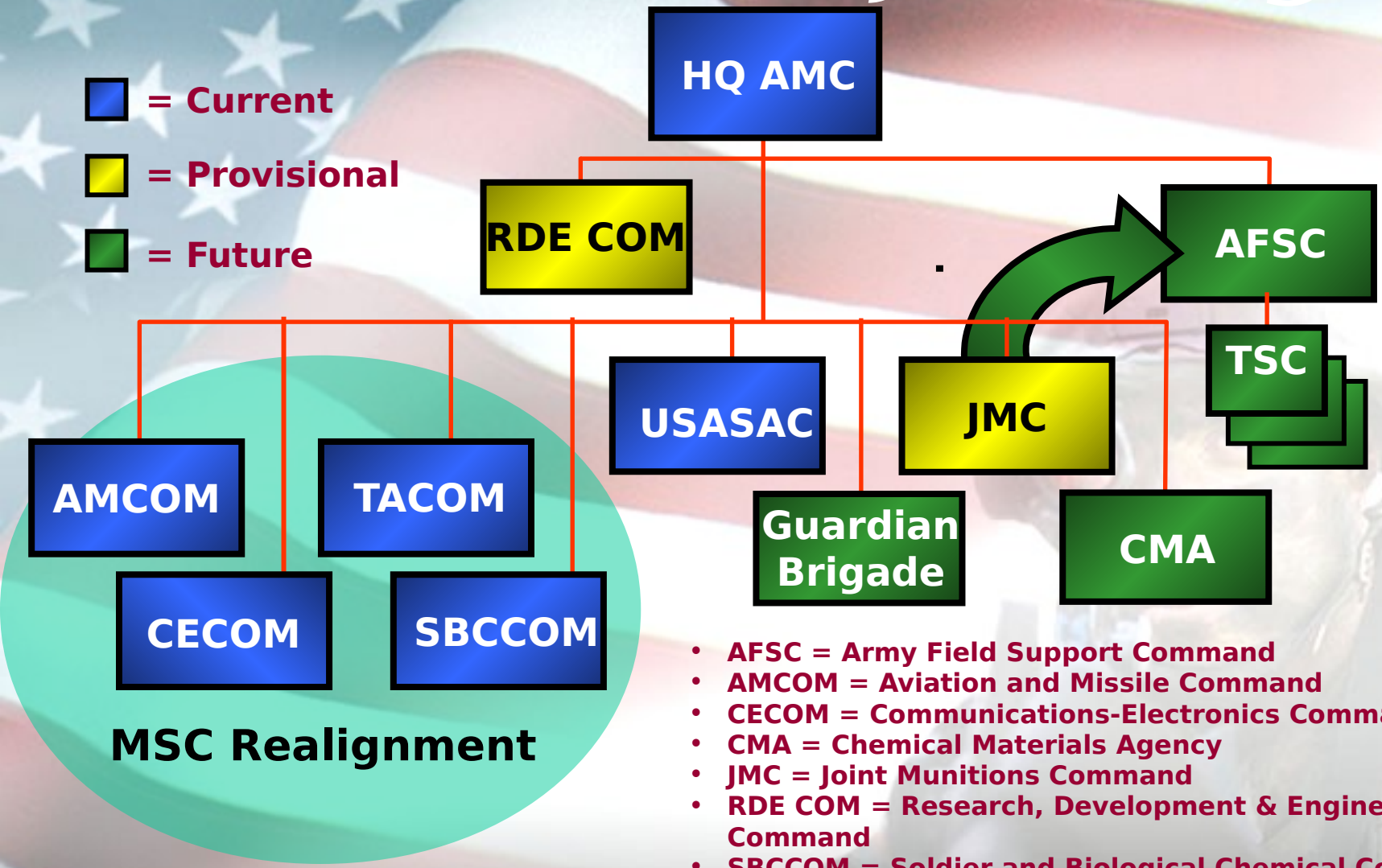
- **Where We Are Going**

AMC Transforming

= Current

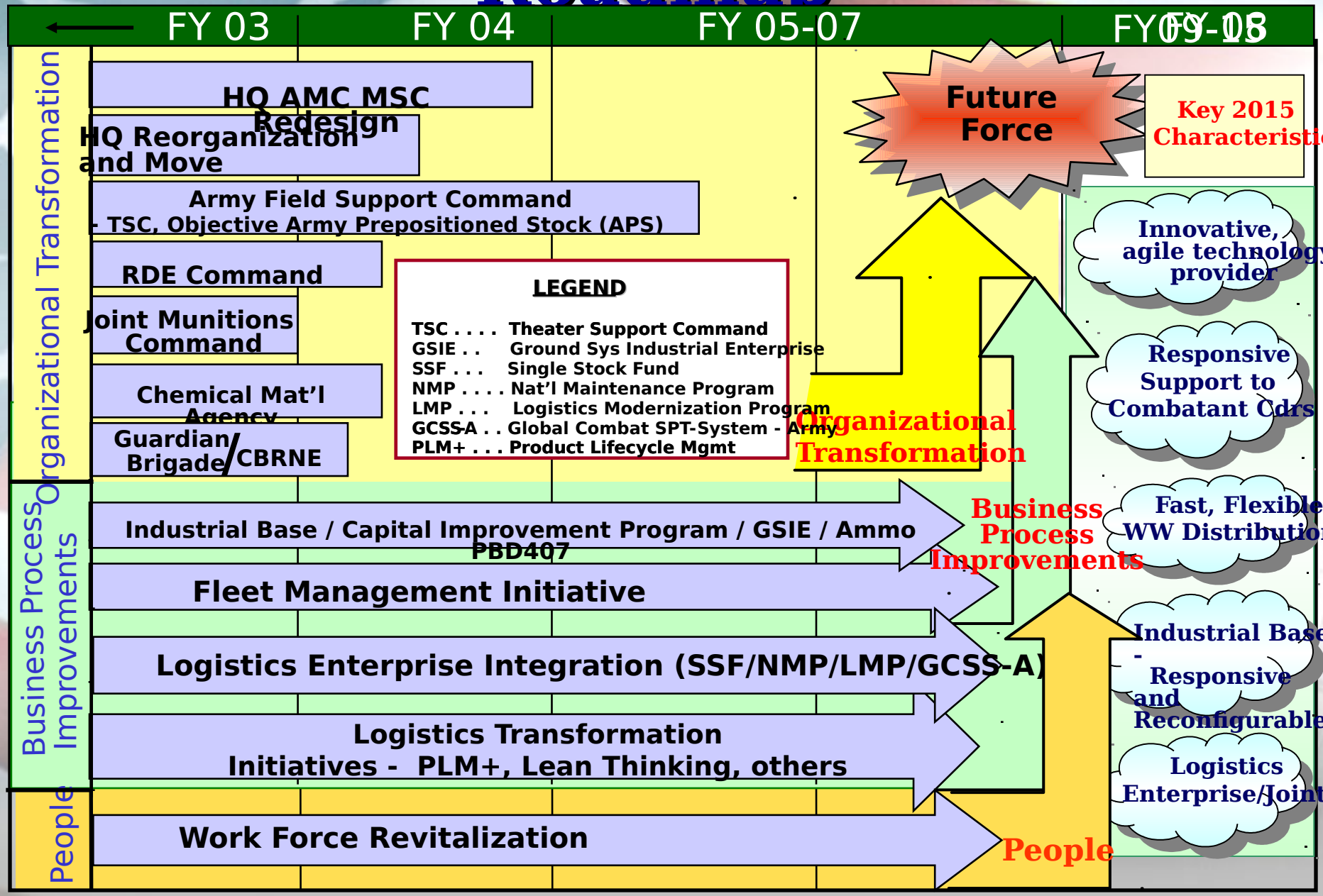
= Provisional

= Future



- AFSC = Army Field Support Command
- AMCOM = Aviation and Missile Command
- CECOM = Communications-Electronics Command
- CMA = Chemical Materials Agency
- JMC = Joint Munitions Command
- RDE COM = Research, Development & Engineering Command
- SBCCOM = Soldier and Biological Chemical Command
- TACOM = Tank-Automotive and Armaments Command
- USASAC = Security Assistance Command

AMC Transformation Roadmap


FY 03
FY 04
FY 05-07
FY 08-13
Organizational Transformation
Business Process Improvements
People
HQ AMC MSC Redesign
HQ Reorganization and Move
Army Field Support Command
- TSC, Objective Army Prepositioned Stock (APS)
RDE Command
Joint Munitions Command
Chemical Mat'l Agency
Guardian Brigade / CBRNE
LEGEND
TSC . . . . Theater Support Command
GSIE . . Ground Sys Industrial Enterprise
SSF . . . Single Stock Fund
NMP . . . . Nat'l Maintenance Program
LMP . . . Logistics Modernization Program
GCSS-A . . Global Combat SPT-System - Army
PLM+ . . . Product Lifecycle Mgmt
Industrial Base / Capital Improvement Program / GSIE / Ammo PBD407
Fleet Management Initiative
Logistics Enterprise Integration (SSF/NMP/LMP/GCSS-A)
Logistics Transformation Initiatives - PLM+, Lean Thinking, others
Work Force Revitalization
Future Force
Key 2015 Characteristics
Innovative, agile technology provider
Responsive Support to Combatant Cdrs
Fast, Flexible WW Distribution
Industrial Base - Responsive and Reconfigurable
Logistics Enterprise/Joint
Organizational Transformation
Business Process Improvements
People

Research, Development & Engineering Command

PEO's

Industry

Academia

TACOM RDEC
(Tank-Automotive & Armaments Cmd)

CECOM RDEC
(Communications-Electronics Cmd)

AMCOM RDEC
(Aviation & Missile Cmd)

SBCCOM RDEC
(Soldier, Biological, & Chemical Cmd)

Today

Research, Development & Engineering Command

SOSI

SOLDIERS

RDEC = Research, Development & Engineering

TRADOC

ATEC

Guardian Brigade Design Endstate

X

Guardian

671
(92/1/259/319)
Off Warr Enl Civ

HHC

AVN

1 Bn
APG

2 Bn
DPG

Remediation &
Analytical Dir

HHC CO CO HHC CO

JRT JRT JRT

NRT NCRT NRT

Prog
Spt

Plans/Ops

Materiel

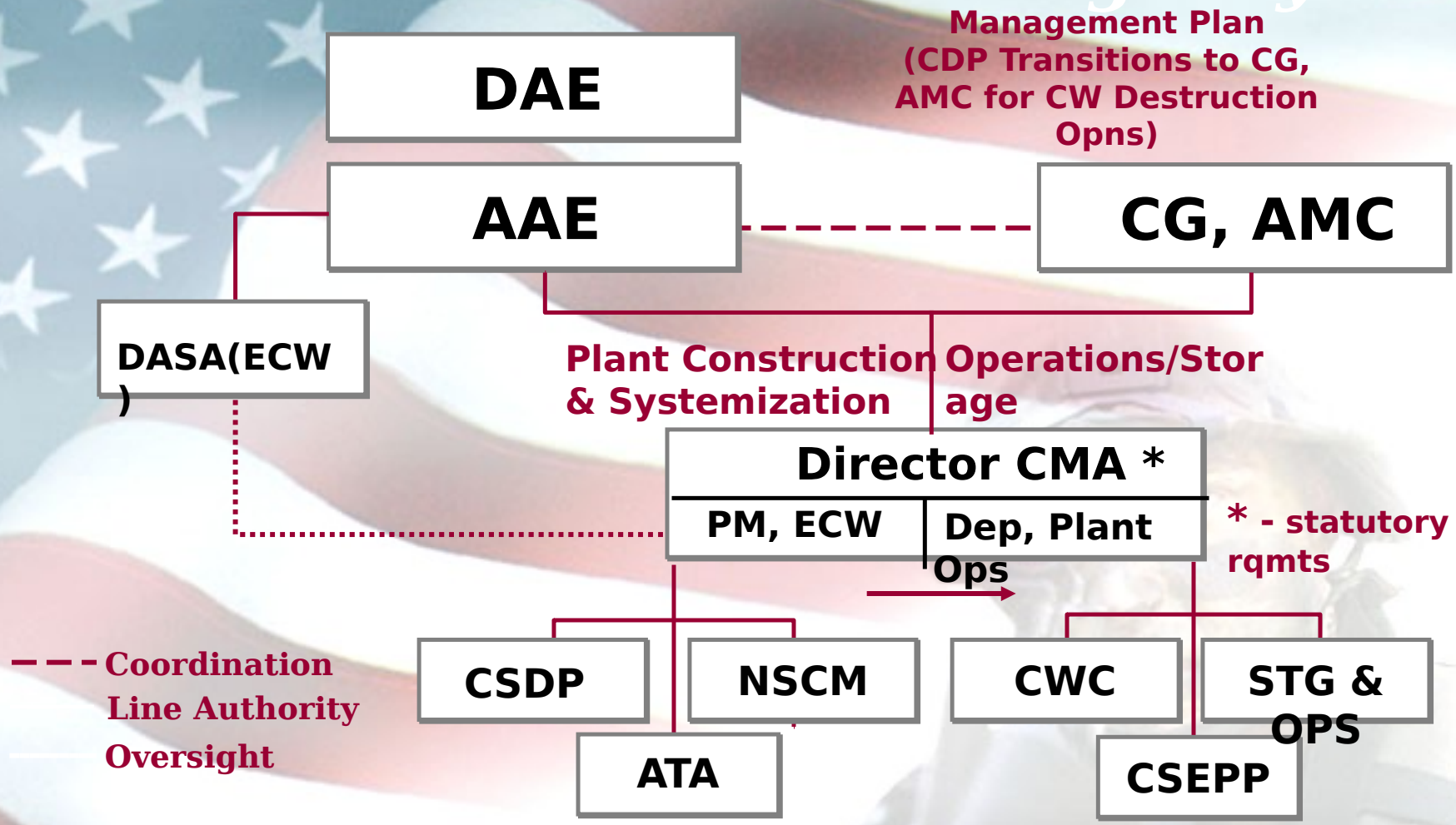
Lab

PBA APG

RT RT

APG – Aberdeen Proving Ground
DPG – Dugway Providing Ground
JRT – Joint Response Team
NCRT – National Capitol Response Team
NRT – National Response Team
PBA – Pine Bluff Arsenal
RT – Remediation Team

Chemicals Materials Agency



ACRONYMS:

- CCDP – Chemical Demilitarization Program
- DDAE – Defense Acquisition Executive
- AAAE – Army Acquisition Executive
- AAMC – Army Materiel Command
- DDASA(ECW) – Dep Asst SecArmy (Elimin of Chem Weapons)
- CCMA – Chemical Materials Agency
- PPM, ECW – Program Manager for Elimin of Chem Weapons
- CCSDP – Chemical Stockpile Disposal Project
- NNSCM – Non Stockpile Chemical Materiel
- CCWC – Chemical Weapons Convention
- SSTG & OPS – Storage and Operations
- AATA – Alternative Technologies and Approaches
- CCSEPP – Chemical Stockpile Emergency Preparedness Program

Army Prepositioned Stocks Transformation

WHY CHANGE?

- Support current and projected global security environment
- Improve the national capability to respond to GWOT requirements
- Enable the Transforming Army to meet demands of new Defense Strategy
- Support emerging Joint operational concepts

APS TRANSITION

- Provide greater theater opening and distribution capability
- Increase pre-positioned Combat Service Support assets to mitigate risk
- Reduce To-Accompany-Troops materiel movement requirement
- Integrate Reserve Component unit
- Enhance responsiveness by establishing Army Regional Flotillas

WAY AHEAD

Near Term 2004 - 2006

- Land Based (Europe, SWA, Korea)
- Flotillas (Guam, Diego Garcia, Mediterranean)

MID Term 2007 - 2009

- Land Base sites Heavy Track
- BSBs and CSSCs one ship
- Increase CSS units
- Up Armor Fleet Pool
- Joint Integration

Long Term 2010

- Stryker/OF unit afloat
- Continued Joint Integrat

"I was never uncomfortable with where we were at.

I was never uncomfortable with what the tactical commanders were doing to fight the fight.

I knew our logistics would sustain us."

(LTG David McKiernan, American ground forces commander)

"If they gave grades at the Pentagon, body armor, M1A1 tanks, Bradley Fighting Vehicles, night-vision goggles and close-air support would get straight A's, and American troops and ingenuity would get gold stars."

(Sig Christenson, Express-News Military Writer)

Essential in Peace, Indispensable in War

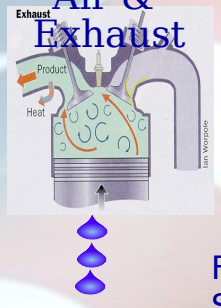
BACK-UP SLIDES

Technology

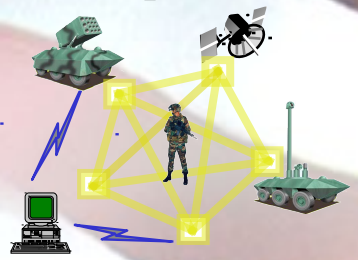
Footprint Reduction

Examples:

Soldier Fuel Cells



Water from Air & Exhaust



Battle Information and Knowledge Exchange (BIKE)

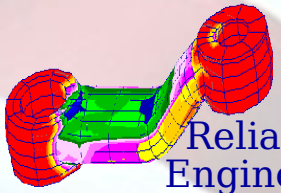
First Strike Ration

OBJECTIVE:

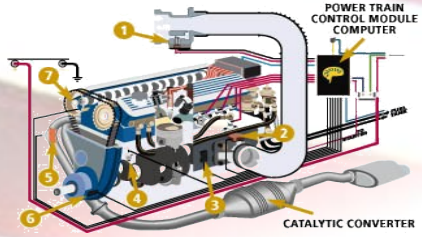
- **Logistics Situational Awareness, Total Asset Visibility, and Global Reach**
- **Point of consumption water (air, exhaust, purification)**
- **Reduce delivered food weight/volume**
- **Higher Fuel Efficiency in Power Generation**

Reduce Maintenance Demand

Examples:



Reliability Engineering Analysis



Perpetual Test Embedded Diagnostics/Prognostics

Ammunition Health Monitor

Petroleum, Oil & Lubricant (POL) Sensor

OBJECTIVE:

- **Very high reliability designed into systems**
- **Modularity & Commonality in design**
- **Better embedded diagnostics/prognostics**
- **Automate Preventive Maintenance Checks**
- **Pit Stop-like efficiencies: Mean**

RETURN